



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
05.11.2003 Bulletin 2003/45

(51) Int Cl.7: **H04Q 7/32, H04L 12/56**

(43) Date of publication A2:
02.10.2002 Bulletin 2002/40

(21) Application number: **02252170.2**

(22) Date of filing: **26.03.2002**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
 Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
 • **Fitton, Michael Philip**
Bristol BS1 4ND (GB)
 • **Lewis, Jonathan David**
Bristol BS1 4ND (GB)

(30) Priority: **30.03.2001 GB 0108025**

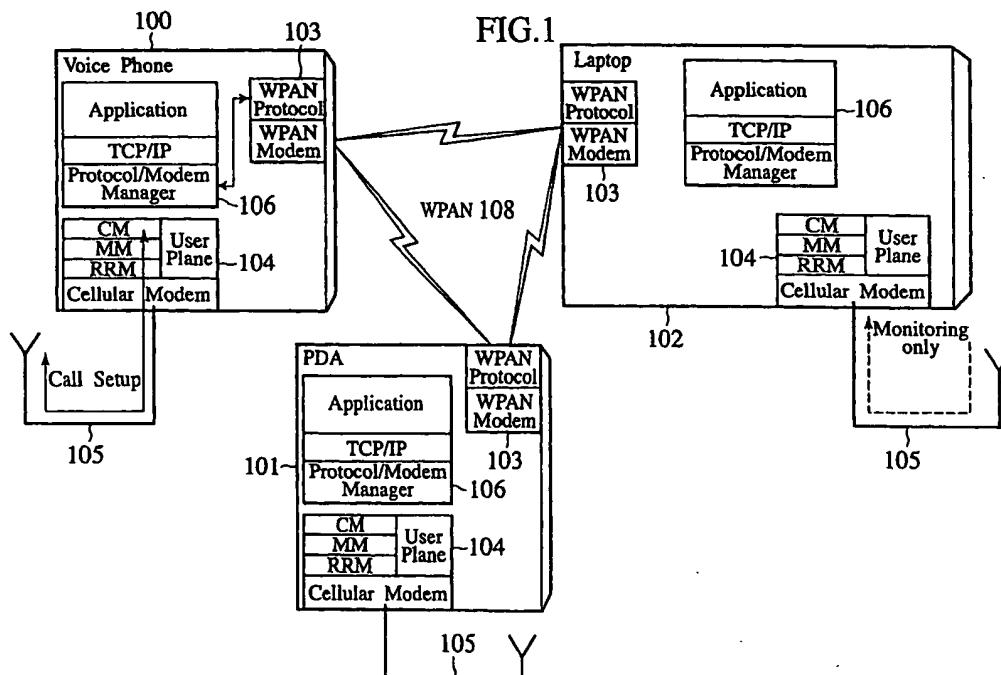
(74) Representative: **Midgley, Jonathan Lee**
Marks & Clerk
57-60 Lincoln's Inn Fields
GB-London WC2A 3LS (GB)

(71) Applicant: **Kabushiki Kaisha Toshiba**
Tokyo 105-8001 (JP)

(54) **Mode monitoring and identification through distributed radio**

(57) Independent radio communication devices can share network information directly with each other in the local area using an independent wireless link. This network information encompasses synchronisation information, interference, network configuration, neighbour

cell list, paging requests, etc., and can be relevant to multiple networks, frequency carriers and/or air interface modes. Sharing the information reduces the processing requirement, the power consumption, and the bandwidth consumption of devices.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 25 2170

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 98 57444 A (ERICSSON GE MOBILE INC) 17 December 1998 (1998-12-17)	1-6,8,9, 14-23	H04Q7/32 H04L12/56
Y	* abstract * * page 3, line 25 - line 33 * * page 4, line 22 - page 5, line 21 * * page 6, line 4 - line 15 * * page 7, line 23 - line 29 * * page 8, line 7 - page 9, line 19 * * figure 2 *	7	
Y	--- WO 98 39936 A (TOMLINSON KERRY JOHN ;SALBU RES AND DEV PTY LTD (ZA); LARSEN JAMES) 11 September 1998 (1998-09-11)	7	
A	* abstract * * page 3, line 6 - page 4, line 5 * * page 5, line 11 - line 20 * * page 17, line 24 - page 18, line 16 * * page 19, line 1 - line 12 * * page 21, line 11 - line 13 *	1,4,5,9, 15,17-21	
X	--- HAARTSEN J: "BLUETOOTH - THE UNIVERSAL RADIO INTERFACE FOR AD HOC, WIRELESS CONNECTIVITY" ON - ERICSSON REVIEW, ERICSSON. STOCKHOLM, SE, no. 3, 1998, pages 110-117, XP000783249 ISSN: 0014-0171	19	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04Q H04L
A	* the whole document *	1-23	
P,X	DE 100 16 622 A (SIEMENS AG) 18 October 2001 (2001-10-18) * paragraph [0001] - paragraph [0016] * * paragraph [0024] - paragraph [0026] * * paragraph [0038] * * paragraph [0043] - paragraph [0049] * * paragraph [0059] - paragraph [0060] *	1-9, 14-21	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 12 September 2003	Examiner Rüschmann, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons a : member of the same patent family, corresponding document	

EPO FORM 1503 (01.02) (P04001)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 2170

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

12-09-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9857444	A	17-12-1998	US 6134437 A	17-10-2000
			AU 746057 B2	11-04-2002
			AU 7811698 A	30-12-1998
			BR 9809741 A	11-07-2000
			CN 1267412 T	20-09-2000
			DE 69810467 D1	06-02-2003
			EP 0986865 A1	22-03-2000
			WO 9857444 A1	17-12-1998
WO 9839936	A	11-09-1998	AP 1131 A	11-12-2002
			AU 738746 B2	27-09-2001
			AU 6630798 A	22-09-1998
			BR 9808149 A	28-03-2000
			CN 1108047 B	07-05-2003
			EP 0965203 A2	22-12-1999
			WO 9839936 A2	11-09-1998
			HU 0000860 A2	28-08-2000
			JP 2001513968 T	04-09-2001
			NO 994198 A	27-10-1999
			NZ 337727 A	25-05-2001
			PL 335646 A1	08-05-2000
			US 6473617 B1	29-10-2002
			ZA 9801835 A	06-12-2001
DE 10016622	A	18-10-2001	DE 10016622 A1	18-10-2001